BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO ROADS AND FOOTPATH IN WARD NO.2 YELAHANKA SUB-DIVISION

Estimate Cost Rs. 15.00 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	Removing B.S. slab of Drain and stacking.(P No.25 / I N 5.32)								
		Sqm							
			1	480.00	1.20		576.00		
		Deduct 15% for Missing and broken Slabs					86.40		
							489.60	65.72	32176.51
	Basic Rate	62.00							
	Area Weightage @ 6%	3.72							
	Total	**65.72**							
2	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (P.142/I.19.1)								
	Desilting for Drain	Cum							
			1	480.00	0.60	0.75	216.00		
							216.00	86.92	18774.72
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	**86.92**							
3	KSRB M300-19. Removal of unserviceable soil including excavation loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specications. (P.No.143 & I.No.19.20)								
		Cum							
	Debries		4	10.00	2.50	0.60	60.00		
			6	7.50	3.00	0.90	121.50		
			4	10.00	2.20	0.60	52.80		
							234.30	39.96	9362.63
	Basic Rate	37.00							
	Area Weightage @ 8%	2.96							
	Total	**39.96**							
4	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)								
	New Town 5th Phase	Cum							
			1	245.00	1.20	0.30	88.20		
			1	95.00	0.90	0.30	25.65		
							113.85	166.42	18946.92
	Basic Rate	157.00							
	Area Weightage @ 6%	9.42							

Sl No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Total	**166.42**							
5	Refixing stone slabs of drains and pointing in C.M.(1:3)(P.No.25/I.No.5.33)								
		Sqm							
				Qty Vide Item No.1			**489.60**	80.56	39442.18
	Basic Rate	76.00							
	Area Weightage @ 6%	4.56							
	Total	**80.56**							
6	Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
		Sqm							
	for Drain covering slab			*15% for Missing and broken Slabs*			86.40		
							86.40	2100.00	181440.00
	Data Rate	**2100.00**							
7	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
				Qty Vide Item No.2+3			**564.15**	100.00	56415.00
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	**100.00**							
8	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)								
	Damage portion drain	Cum							
			2	480.00	0.45	0.20	86.40		
							86.40	4438.22	383462.21
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	**4438.22**							
9	KSRB 15.1.1 Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.112/Item No. 15.1)								
		Sqm							
			2	480.00		0.20	192.00		
							192.00	102.82	19741.44
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	**102.82**							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
10	KSRB 4-1.7 Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1.4.2 (P No. 13 / Item No.4.7)								
	Damage portion drain	Cum							
			2	480.00	0.45	0.10	43.20		
							43.20	5598.92	241873.34
	Basic Rate 5282.00								
	Area Weightage @ 6% 316.92								
	Total 5598.92								
11	Removing and Resetting of **Kerb Stones** (Page No.258/ Item No.37.57)								
		Mtr							
			1	480.00			480.00		
				Deduct 20% for Missing and broken kerbs			96.00		
							384.00	65.72	25236.48
	Basic Rate 62.00								
	Area Weightage @ 6% 3.72								
	Total 65.72								
12	KSRB 14.6-2 Providing and laying **heavy duty cobble stones 60 mm** thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (P No. 101 / Item No. 14.6)								
	New Town 5th Phase	Sqm							
			1	245.00	1.20		294.00		
			1	95.00	0.90		85.50		
							379.50	966.72	366870.24
	Basic Rate 912.00								
	Area Weightage @ 6% 54.72								
	Total 966.72								
13	5.29(b)Providing and fixing **pre cast solid cement concrete kerb stones** made out of No.272.21 C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete (P.No.25 /It.No.5.30)								
		No							
	Consider 20% for Missing and broken kerbs		1	96.00			96.00 0.45	213.33	
							Say **210.00**	331.78	69673.80
	Basic Rate 313.00								
	Area Weightage @ 6% 18.78								
	Total 331.78								
14	KSRB 15-19.2 :Providing and applying **ready mix priming coat** over concrete/masonry/asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil,grease,dirt and other foreign matter and sand papering including cost of materials, labour, complete as per specifications. (Page no.121 / It no.15.80)								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		Sqm							
			2	480.00		0.40	384.00		
							384.00	27.56	10583.04
	Basic Rate	26.00							
	Area Weightage @ 6%	1.56							
	Total	27.56							
15	KSRB 600-1 Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No.176 & Item No.24.1)								
		Sqm							
				Qty Vide Item No.13			384.00	63.60	24422.40
	Basic Rate	60.00							
	Area Weightage @ 6%	3.60							
	Total	63.60							
16	Miscellaneous and unforeseen charges								1579.00
							Grand Total Amount		1500000.00

(Rupees Fifteen Lakhs Only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW.P IWTD SR of 2016-17 and data rate of Bangalore Circle
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.22

Executive Engineer
Yelahanka-Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yelahanka)
Yelahanka, Bangalore

Administrative Approval

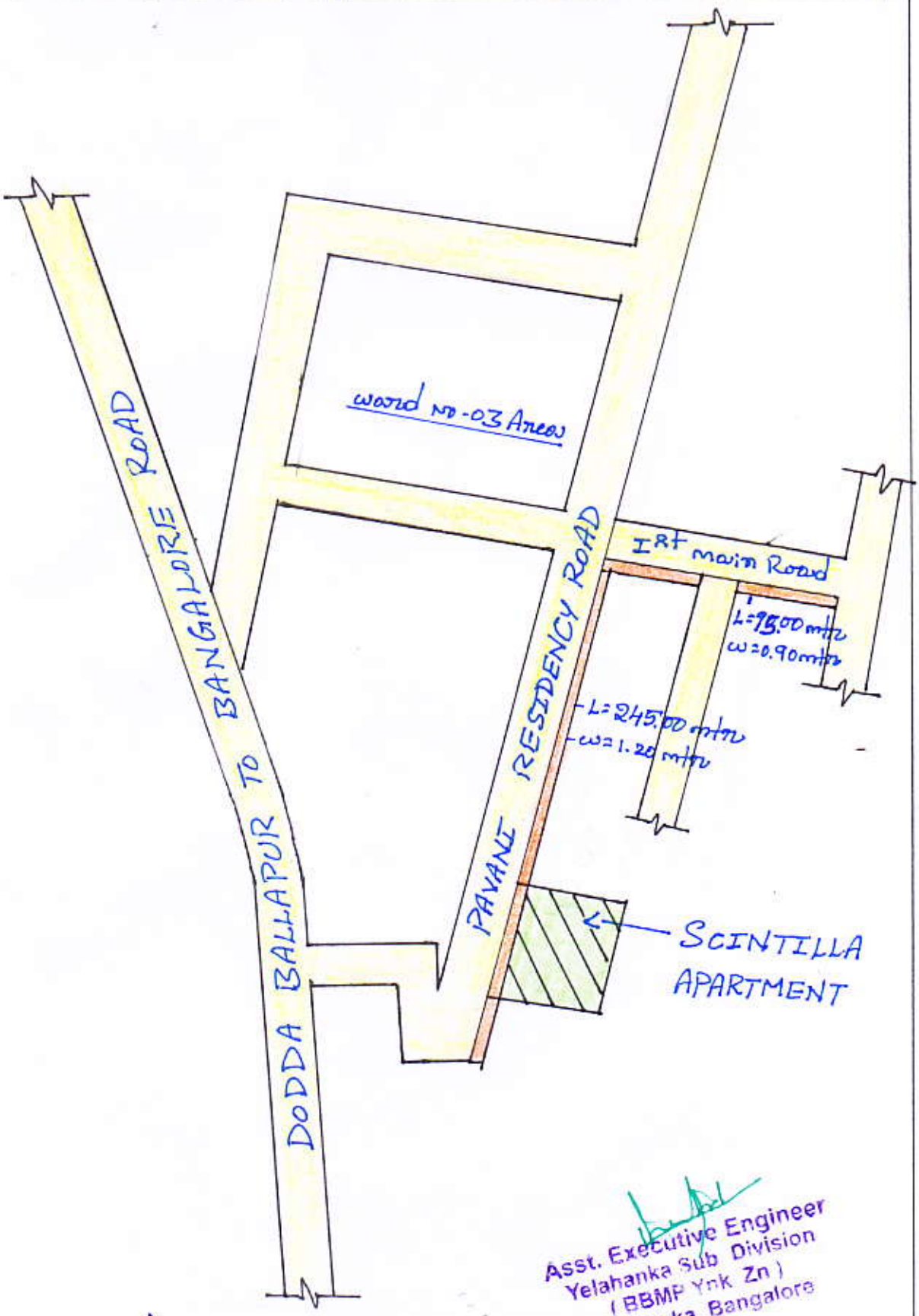
Accorded For 15.00 lakh Rs.
Head of A/C P.3296
CER NO :214 Dt:. 17.01.18

TA CE (YNK)

TECHNICALLY SANCTIONED FOR Rupees 15.00 lacs
Fifteen lakhs
- only -
Under P. 3296 - 2017.18

EE/YNK(TS)34/17.18
Dated 17-01-18 15.00 lacs

Name of works: Improvements to roads and footpath in ward No-02 of Yelahanka Sub division.



Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk Zn)
Yelahanka, Bangalore

AE-02